

Japet.^W

the exoskeleton to fight back pain at work



Japet Medical. Wearable Medicine

The combinaison of medical sciences and modern robotics at the service of health at work.

- **An active exoskeleton**

The motorisation allows a total adaptability to the user's movements.

- **A textile integration**

Lightweight, comfortable and space-saving, the textile promotes acceptability.

- **Medical standards**

Medical standards guarantee product quality and health benefits.



"Since we are equipped with Japet.^W
no more technicians of the maintenance
of the automotive testing facilities
complain of pain."

Miloud Bouaissi
Team leader in charge of contract
F1, Actemium

Japet.^W

the first exoskeleton to fight back pain at work



Limit

The impact on
the spine



Secure

Gestures and
postures



Maintain

Mobility and muscular
activity

Limit the impact on the spine

Japet.^w is an active exoskeleton which reduces impacts on the lower back.

For all workstations with high lumbar constraints, it limits the impacts of repetitive movements, awkward postures, heavy loads carrying.

This equipment preserves the back of the user and maintains workers with back issues in activity.



Heavy loads carrying



Repetitive movements



At-risk postures

The Japet.^w exoskeleton has the potential to relieve mechanical stress on the spine and thus change the daily life of users in the workplace".

Fahed Zairi
spine neurosurgeon,
Ramsay Lille Clinic





Maintained mobility

Japet.^w follows the user's movements in real-time to maintain complete freedom of movement and maintain muscular activity.

User can maintain its productivity without compromising its health.



Secured postures

Japet.^w maintains a favourable back posture whilst working and preserves the stability of the lower back region.

It limits at-risks postures and fosters correct movements to preserve the back.





"The Japet.^W exoskeleton is very quick and easy to install and once turned on it becomes an integral part of the person."

Mylène Sacco
Seller, Décathlon

Preserved health

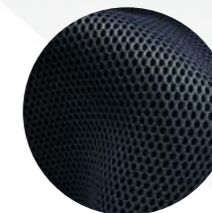
By decreasing the constraints of hard work, Japet.^W reduces work stoppages and work-related accidents due to back MSDs. It preserves the health of teams and improve quality of life.

Acceptability focused

Japet.^W was developed based on a unique human-centred model in order to insure the equipment's acceptability and acceptance.



Quick to set up
● < 30 sec



Comfortable



Light / compact
● < 2 Kg

Sectors of application

Whatever the sector of activity, the Japet.^W exoskeleton is the solution to relieve the back of the operators on the posts with strong lumbar constraints.



Industry



Logistics



Personal Care



Construction



Agribusiness



Support for implementation

An exoskeleton requires a structured and collective approach.
To guide you, we accompany you following the INRS's protocol's recommendations.

1. Assessment of the workstation

We first proceed to a theoretical validation of adequacy between the exoskeleton and the identified workstations. The on-site test that follows enables to validate the exoskeleton's adaptability to the workstation and its environment.

2. Training and implementation

The use of the exoskeleton requires a preliminary training. During the equipment's implementation, we train the users and a company's referent, to install and use the exoskeleton.

3. Assessment of the implementation

To insure the exoskeleton acceptance by the users, we provide you with a monitoring protocol inspired by medical practice.

Japet.^W is a class IIa device manufactured by Japet Medical Devices.
The CE conformity assessment was performed by BSI Group United Kingdom (0086).

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